

Claims

1. A carbon black-filled, age-resistant, polyolefin wrapping foil, comprising a carbon black having a pH of 6 to 8.

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2. The wrapping foil of claim 1, wherein the wrapping foil comprises thermal black, acetylene black or lamp black.

3. The wrapping foil of claim 1, wherein the wrapping foil is halogen-free.

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4. The wrapping foil of claim 1, wherein the wrapping foil is flame-retarded.

5. The wrapping foil of claim 1, which has on one or both sides a layer of adhesive, and optionally has a primer layer between film and adhesive layer,

15 the amount of the adhesive layer being in each case 10 to 40 g/m² and the adhesive exhibiting

a bond strength to steel of 1.5 to 3 N/cm,

an unwind force of 1.2 to 6.0 N/cm at 300 mm/min unwind speed, and/or

a holding power of more than 150 min.

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6. The wrapping foil of claim 1, which comprises a solvent-free pressure-sensitive adhesive which is produced by coextrusion, melt coating or dispersion coating, this adhesive being joined to a surface of the carrier foil by means of flame or corona pretreatment or of an adhesion promoter layer which is applied by coextrusion or
25 coating.

7. The wrapping foil of claim 1, wherein the fraction of carbon black is at least 5 phr.

8. The wrapping foil of claim 1, wherein the polyolefin contains propylene as monomer.

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9. The wrapping foil of claim 1, which comprises polypropylene polymer and also ethylene-propylene copolymers from the classes of EPM and EPDM polymers.

10. The wrapping foil of claim 1, wherein the carbon black is added as a masterbatch
35 after polyolefin, antioxidant, and flame-retardant filler have been compounded.

11. The wrapping foil of claim 1, which contains at least 4 phr of a primary antioxidant or
at least 0.3 phr of a combination of primary and secondary antioxidants, it also being
possible for the primary and secondary antioxidant function to be united in one
5 molecule.
12. The wrapping foil of claim 1, wherein the wrapping foil
has a heat stability of at least 105°C after 2000hours,
has a breaking elongation of at least 100% after 20 days of storage at 136°C,
10 has a compatibility, when stored on a cable with a polyolefin insulation, of at least
105°C after 3000 hours,
has a compatibility, when stored on a cable with a polyolefin insulation, of 125°C after
2000 hours,
achieves 140°C after 168 hours and/or
15 achieves a heat resistance of 170°C (30 minutes).
13. The wrapping foil of claim 1, which comprises at least one polypropylene having a
flexural modulus of less than 900 MPa, and/or a crystallite melting point of between
120°C and 166°C.
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14. The wrapping foil of claim 1, which comprises a flame-retardant filler is added at 70 to
200 phr.
15. A method of bundling, protecting, labeling, insulating or sealing ventilation pipes or
25 wires or cables and for sheathing cable harnesses in vehicles or field coils for picture
tubes comprising wrapping said pipes, wires or cables with a wrapping foil according
to claim 1.